

Date: Fri, 22 Jul 94 17:09:15 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #828  
To: Info-Hams

Info-Hams Digest                      Fri, 22 Jul 94                      Volume 94 : Issue    828

Today's Topics:

    Daily Summary of Solar Geophysical Activity for 20 July (2 msgs)  
        License in 7 Weeks! (3 msgs)  
        Need schematic for 1750 Hz tone generator  
            TNC BBS door?  
        U.S. op in Canada?  
        VLF Info

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: Wed, 20 Jul 1994 22:25:23 MDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu  
Subject: Daily Summary of Solar Geophysical Activity for 20 July  
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

20 JULY, 1994

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(Based In-Part On SESC Observational Data)

# SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 20 JULY, 1994

NOTE: Energetic electrons at greater than 2 MeV have been at high levels over the last 24 hours.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 201, 07/20/94  
10.7 FLUX=076.9 90-AVG=080 SSN=039 BKI=1132 2211 BAI=006  
BGND-XRAY=A2.5 FLU1=1.2E+06 FLU10=1.6E+04 PKI=2132 2212 PAI=007  
BOU-DEV=006,007,021,011,010,012,009,004 DEV-AVG=010 NT SWF=00:000  
XRAY-MAX= B6.0 @ 1329UT XRAY-MIN= A1.7 @ 2005UT XRAY-AVG= A4.8  
NEUTN-MAX= +002% @ 2230UT NEUTN-MIN= -002% @ 0610UT NEUTN-AVG= +0.4%  
PCA-MAX= +0.1DB @ 1950UT PCA-MIN= -0.4DB @ 2300UT PCA-AVG= +0.0DB  
BOUTF-MAX=55245NT @ 1032UT BOUTF-MIN=55216NT @ 1714UT BOUTF-AVG=55237NT  
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+077,+000,+000  
GOES6-MAX=P:+125NT@ 1937UT GOES6-MIN=N:-040NT@ 0034UT G6-AVG=+105,+033,-016  
FLUXFCST=STD:075,075,075;SESC:075,075,075 BAI/PAI-FCST=005,005,010/010,010,015  
KFCST=1123 1222 1123 1222 27DAY-AP=005,005 27DAY-KP=1110 1332 1211 1222  
WARNINGS=  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 19 JUL 94 was 32.0.  
The Full Kp Indices for 19 JUL 94 are: 3o 3+ 3+ 3- 2o 2- 2+ 3-  
The 3-Hr Ap Indices for 19 JUL 94 are: 15 19 19 13 8 6 10 11  
Greater than 2 MeV Electron Fluence for 20 JUL is: 1.0E+09

## SYNOPSIS OF ACTIVITY

Solar activity was very low. Region 7757 (N13E22) produced the largest flare of the day, a B6/SF at 20/1328Z. This region is showing signs of decay. Other regions were quiet.

Solar activity forecast: solar activity is expected to be very low to low. Small flares are possible in Region 7757.

The geomagnetic field was quiet to unsettled. The greater than 2 MeV electron flux at geosynchronous altitude was high.

Geophysical activity forecast: the geomagnetic field is expected to be quiet to unsettled.

Event probabilities 21 jul-23 jul

Class M 01/01/01

Class X 01/01/01  
Proton 01/01/01  
PCAF Green

Geomagnetic activity probabilities 21 jul-23 jul

A. Middle Latitudes

Active 15/15/30  
Minor Storm 05/05/15  
Major-Severe Storm 05/05/05

B. High Latitudes

Active 15/15/30  
Minor Storm 05/05/15  
Major-Severe Storm 05/05/05

HF propagation conditions were normal over all regions. Good propagation was the order of the day. Similar good propagation is expected through 22 July inclusive. Minor high-latitude signal degradation may begin to be observed on 23 July in response to a recurrent disturbance.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 20/2400Z JULY

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NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7756	S12W06	359	0020	CRO	03	004	BETA	
7757	N13E22	331	0170	CAO	07	003	BETA	
7758	S13E39	314	0010	AXX	01	002	ALPHA	
7751	S12W81	074					PLAGE	
7753	S12W56	049					PLAGE	
7754	N13W86	079					PLAGE	

REGIONS DUE TO RETURN 21 JULY TO 23 JULY

NMBR	LAT	LO
7742	S09	231

LISTING OF SOLAR ENERGETIC EVENTS FOR 20 JULY, 1994

-----

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
NONE									

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 20 JULY, 1994

-----

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
20/A1431		B1515	S15W54	DSF				

INFERRED CORONAL HOLES. LOCATIONS VALID AT 20/2400Z

-----  
 ISOLATED HOLES AND POLAR EXTENSIONS  
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN  
 NONE VISIBLE

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
19 Jul:	1037	1045	1053	B1.0						
	1112	1116	1129	B1.1						
	1148	1206	1217	B3.2	SF	7758	S11E59			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7758:	0	0	0	1	0	0	0	0	001	(33.3)
Uncorrelated:	0	0	0	0	0	0	0	0	002	(66.7)

Total Events: 003 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
NO EVENTS OBSERVED.								

#### NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II = Type II Sweep Frequency Event  
III = Type III Sweep  
IV = Type IV Sweep  
V = Type V Sweep  
Continuum = Continuum Radio Event  
Loop = Loop Prominence System,  
Spray = Limb Spray,  
Surge = Bright Limb Surge,  
EPL = Eruptive Prominence on the Limb.

\*\* End of Daily Report \*\*

-----  
Date: Thu, 21 Jul 1994 17:34:21 MDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu  
Subject: Daily Summary of Solar Geophysical Activity for 20 July  
To: info-hams@ucsd.edu

\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

20 JULY, 1994

\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\/\\

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 20 JULY, 1994

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GOES6-MAX=P:+125NT@ 1937UT GOES6-MIN=N:-040NT@ 0034UT G6-AVG=+105,+033,-016  
FLUXFCST=STD:075,075,075;SESC:075,075,075 BAI/PAI-FCST=005,005,010/010,010,015  
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Class X	01/01/01
Proton	01/01/01
PCAF	Green

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#### LISTING OF SOLAR ENERGETIC EVENTS FOR 20 JULY, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
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BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
20/A1431		B1515	S15W54	DSF				

#### INFERRED CORONAL HOLES. LOCATIONS VALID AT 20/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS									
EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN	
NONE VISIBLE									

#### SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
------	-------	-----	-----	------	----	--------	------	----------	----------	----------

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-----
19 Jul: 1037 1045 1053 B1.0
        1112 1116 1129 B1.1
        1148 1206 1217 B3.2 SF 7758 S11E59

```

# REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

```

-----
          C   M   X       S   1   2   3   4   Total   (%)
          --   --   --       --   --   --   --   --   ---
Region 7758: 0   0   0       1   0   0   0   0     001   (33.3)
Uncorrelated: 0   0   0       0   0   0   0   0     002   (66.7)

```

Total Events: 003 optical and x-ray.

# EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

```

-----
Date   Begin   Max    End   Xray   Op Region   Locn   Sweeps/Optical Observations
-----
                                     NO EVENTS OBSERVED.

```

## NOTES:

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```

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V       = Type V Sweep
Continuum = Continuum Radio Event
Loop    = Loop Prominence System,
Spray   = Limb Spray,
Surge   = Bright Limb Surge,
EPL     = Eruptive Prominence on the Limb.

```

\*\* End of Daily Report \*\*

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Date: Fri, 22 Jul 1994 11:33:00 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!eff!news.kei.com!ub!  
acsu.buffalo.edu!ubvms.cc.buffalo.edu!oopdavid@network.ucsd.edu  
Subject: License in 7 Weeks!  
To: info-hams@ucsd.edu

In article <21JUL199418380172@turbn4.sch.ge.com>, vannostrand@turbn4.sch.ge.com  
(SCOTT A VANNOSTRAND) writes...

>Took Test: June 4,1994  
>License Received: July 27, 1994

This is interesting, it is only JULY 22, 1994 according to my calendar!

>  
>Scott Van Nostrand  
>N2ZYI  
>

-----  
Date: Fri, 22 Jul 1994 12:33:40 GMT  
From: news.crd.ge.com!NewsWatcher!user@uunet.uu.net  
Subject: License in 7 Weeks!  
To: info-hams@ucsd.edu

In article <CtC7xF.7EM@acsu.buffalo.edu>, oopdavid@ubvms.cc.buffalo.edu  
(D.RODMAN) wrote:

> In article <21JUL199418380172@turbn4.sch.ge.com>, vannostrand@turbn4.sch.ge.com  
(SCOTT A VANNOSTRAND) writes...  
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>  
> This is interesting, it is only JULY 22, 1994 according to my calendar!  
>  
> >  
> >Scott Van Nostrand  
> >N2ZYI  
> >

Oooops. You're right.

License Received: July 21, 1994  
^^

Must have been the thrill of receiving it that threw off my ability  
to read a calendar.

Scott Van Nostrand  
N2ZYI

-----  
Date: 21 Jul 1994 23:04:27 -0500  
From: terminus.intermind.net!news.sprintlink.net!bga.com!bga.com!  
nobody@uunet.uu.net  
Subject: License in 7 Weeks!  
To: info-hams@ucsd.edu

In article <21JUL199418380172@turbn4.sch.ge.com>,  
SCOTT A VANNOSTRAND <vannostrand@turbn4.sch.ge.com> wrote:  
>Took Test: June 4,1994  
>License Received: July 27, 1994  
>  
>Scott Van Nostrand  
>N2ZYI  
>

Now this is truly amazing.... Several folks saying that their licenses  
are arriving in less than 9 weeks....

One possibility I can think of: At a testing session I was at in March,  
I remember the VE's mentioning that they were supposed to be using the  
NEW form 610's. However, they did not have enough to go around. The  
previous day, they had called the ARRL/VEC, and they were told that if  
they didn't have enough of the new 610's, just use the old 610's and  
those old forms would be put at the "top of the stack", as to get them  
through the FCC computer before the big switchover.

Could these folks that are seeing their licenses in less than 9 weeks be  
a product of VE teams that had to use old form 610's, thus they were put  
at the top of the pack?

I'm not bitching about it... I'm just suggesting a reason that their  
licenses are coming out faster than most others...

-----  
Date: Fri, 22 Jul 1994 11:16:54 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!eff!news.kei.com!ub!  
freenet.buffalo.edu!al105@network.ucsd.edu  
Subject: Need schematic for 1750 Hz tone generator  
To: info-hams@ucsd.edu

Radio shack has a book on the 555 timer which includes a tone generator and a piezo spkr. \$.99 here in the states. Have used the 555 for many projects. Good chip cheap and clean.

-----  
Date: Wed, 20 Jul 94 10:46:40 -0500  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!  
news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!f511.n115!f738.n115!  
f119.n115!f747.n115!Darren.Leno@network.  
Subject: TNC BBS door?  
To: info-hams@ucsd.edu

RSV> Hello from Mexico!

RSV> I am looking for a BBS door that give you access to a packet TNC. Any  
RSV> suggestions and/or experiences? Any FTP site?

I've had been successfully using TNCDOOR, although when I switched to OS/2, the program ran into all kinds of problems. There are 3 versions of TNCDOOR out there, TNCDOOR104.ZIP, TNCDOOR105.ZIP, TNCDOOR106.ZIP.

I had a LOT of problems with 105 and 106. Under DOS, 106 has the nasty habit of rebooting my multi-line bbs every time someone drops carrier. Even registering the program didn't help, so I went with 104. In my opinion, 104 the version to use. Also, the author says that 105 and 106 aren't crippled if not registered, but I suspect this isn't the case. If you use it, you should register it -- but likewise, it shouldn't be stated in the docs that it isn't crippled if it really is.

Give it a try. I don't know an FTP site, but you can download it in the Chicago area from Radio Hobby Online bbs at 1-708-238-1901.

73, WD0EWJ/9

-----  
Date: Fri, 22 Jul 1994 11:29:16 GMT  
From: world!drt@uunet.uu.net  
Subject: U.S. op in Canada?  
To: info-hams@ucsd.edu

U40241@uicvm.uic.edu wrote:

: Is there full reciprocity of operation between U.S. and Canada? I will be in  
: Canada for a few days and do not recall any restrictions other than band limits  
: but many years have passed since my last drive-thru with rig. Any customs  
: hassles? Proof of License? (ham plate O.K?) Tnx. K9ZAT.

My favorite question. Another good opportunity to post this.  
(I believe I included all the corrections from the last round, but I  
may have missed something.)

-drt

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#### FAQ: US Automatic Reciprocal Operation in Canada

Q1: I have an FCC-issued amateur license. What do I have to do to  
operate an amateur radio station in Canada?

A: A reciprocity treaty, TIAS 2508, provides for US-Canada reciprocal  
operation of amateur radio stations. No application, registration, or  
fee is required. You are automatically eligible to operate in Canada  
if all three of these conditions apply:

1. You have a valid FCC-issued license (bring it or a photocopy);
2. You are a US Citizen;
3. You are a resident of the US (if you're not a US resident,  
please direct your questions to a Canadian official. As I  
understand it, if you become a Canadian resident, your US  
license is good for a while, but they expect you to get  
a Canadian one eventually).

(GR2.45.1.a, RIC-25 p. 9)

Q2: What privileges do Canadian operators have?

A: Legally, Canada has no separate phone band or other mode  
restrictions. Instead, they adhere, on a voluntary basis, to a  
bandplan, similar to the way we use 160 meters. (The IARU Region 2  
bandplan can be found in Chapter 2 of the ARRL Operating Manual.)  
Canadian amateur bands are the same as those in the US up through 1.2  
GHz, except they have all of 220-225 MHz, and they only have 430-450  
MHz. There are, however, bandwidth limits (-26 db):

160, 80, 40, 20, 17, 15, 12 meters: 6 kHz maximum bandwidth  
30 meters: 1 kHz  
10 meters: 20 kHz  
6, 2 meters: 30 kHz  
220: 100 kHz  
440, 902: 12 MHz  
1.2 GHz and up: none specified

(Schedule II, RIC-25 p. 15)

Q3: What privileges am I allowed while operating in Canada?

A: All foreign amateurs, including those from the US, are assigned reciprocal privileges according to the Morse Code speed needed to qualify for their license:

12+ wpm: All "Advanced + 12" privileges  
(i.e., \*all\* Canadian privileges)

[US General, Advanced, Extra Class]

5-11 wpm: All privileges above 30 MHz,  
PLUS CW and CW only on all bands below 30 MHz;  
limited to Basic privileges [\*]

[\*] \*Canadian\* Basic + 5 wpm licensees are allowed  
full access above 30 MHz, plus (full) access to  
80 and 160, only. However, the above \*is\* what  
the rules say about \*foreign\* amateurs operating  
in Canada.

[US Novice Class, Technician + 5 WPM code]

0-4 wpm: All privileges above 30 MHz, with Advanced privileges

[US Technician without code]

(GR2.45.2,3,4, RIC-25 p. 9)

Q4: What's the difference between Basic and Advanced?

A: Without Advanced Qualification (or equivalent), you may not:

1. possess or install a transmitter or amplifier that isn't commercially designed and manufactured;
2. possess or install any radio apparatus manufactured specifically for use as a repeater where input and output are on the same band;
3. install a repeater where input and output are on the same band;
4. set up a club station

(GR2.47, RIC-25 p. 10)

Basic operators are also limited to lower power.

Q5: What are the power limits?

A: An Advanced operator or equivalent can use up to 1000 W dc input, if power is measured as input to the final stage, \*or\* an output of 2250 W PEP SSB/750 W carrier power for other modes, if output power is measured.

A Basic operator or equivalent is limited to 250 W input, \*or\* 560 W PEP SSB/ 190 W carrier power other modes, output.

It is illegal in Canada to possess or install a transmitter or amplifier capable of exceeding your legal maximum power by 3 db.

(GR2.58, RIC- 25 p. 11-12)

Q6: So a General class licensee can transmit phone on 3760 or even 14140 kHz? And a Novice can use a 2 meter repeater?

A: Absolutely.

Q7: But I heard that the FCC won't allow you to exceed your US operating privileges, even in another country.

A: I personally called the FCC and was able to confirm that this is NOT the case. The FCC does not enforce Part 97 in foreign countries. Despite what you may have read, it is perfectly legal to use whatever privileges Canada allows you (see above) while you are operating a station in Canada.

Q8: How do I identify in Canada?

A: If you're operating under your US license, then you use your call "mobile" (if you are) or "portable" (if you're not), \*followed by\* the appropriate indicator:

Nfld: V01

Lab: V02

PEI: VY2

NS: VE1

NB: VE9 (since Dec 1993; prior to this it was part of VE1)

Que: VE2

Ont: VE3 or VA3

Mtba: VE4

Sask: VE5  
Alta: VE6  
BC: VE7  
NWT: VE8  
Yukon: VY1

On CW, RTTY, and such you just use a slash, for example, I would use "KG2S/VE2" in Quebec.

The treaty requires you give your location by City and Province/Territory at least once per contact, but the Canadian rules make no mention of this.

While the treaty requires English ID, the Canadian rules allow you to use French, too. A chacun son gout. (However, you are not limited to English or French during your contacts; you can use any language.)

Of course, if you operate a Canadian station or get a Canadian license yourself, you use that callsign.

(GR2.57.1-3, RIC-25 p. 12)

Q9: What if I'm not from the US?

A: You will have to contact Communications Canada (numbers below) and apply for permission to operate. If your country has a reciprocal agreement with Canada, your privileges (once licensed) will be those outlined in Question 3.

If you, as a US licensee, want a Canadian license, you may be able to get it merely by passing a 26-question rules exam and giving a Canadian address. I know of at least one Advanced-class licensee who has done this with a Delegated Examiner. A Canadian station license carries an annual fee (currently about CDN\$24), and license terms end 31 March of each year.

Q10: I'd like to get a copy of the Canadian rules. What do I do? Where do I address questions if I'm in a "gray area"?

A: I highly recommend getting a copy of the rules. They publish a number of circulars called RICs that you can order. They sent me these without charge. You can get them in French, too, of course ("CIR-25", etc.).

RIC-25: Rules and Regulations affecting the Amateur Service. 24 pp.

RIC-3: Banned Countries/Reciprocal List/Third Party Traffic List

RIC-66: Addresses and Telephone Numbers of Regional and District Offices

If you want information on exams in Canada, ask for:

RIC-24: Information on the Amateur Operator's Certificate Examinations

RIC-1: Information on the Delegated Examiner system

There are a lot of District offices, so I'm only going to list one in each Province. You can ask them to mail the rules to you, or you could get the address for the office closest to where you'll be visiting and go pick up what you want there.

St John's, NF: 709-772-4889  
Halifax: 902-426-3810/3811  
Charlottetown: 902-566-7000  
Saint John, NB: 506-636-4889  
Montreal: 514-283-7657  
Toronto: 416-973-8215  
Winnipeg: 204-983-5590  
Regina: 306-780-5007  
Calgary: 403-292-4207  
Vancouver: 604-666-5468  
Whitehorse: 403-667-5102  
Yellowknife: 403-920-6603

Also:

Radio Amateurs of Canada, Inc.  
Administrative Office  
PO Box 356  
Kingston, Ontario  
K7L 4W2  
613-545-9100

Radio Amateur du Quebec (RAQI)  
4545 Pierre-du-Coubertin Avenue  
PO Box 1000, Station "M"  
Montreal, Quebec  
H1V 3R2  
514-252-3012/252-3000 ext. 3422

Q11: Something you wrote in this FAQ was wrong! How do I let you



know?

A: The material in this FAQ was based on the 1 March 1993 edition of RIC-25. If you know about any rule changes, or if a government official contradicts something in this FAQ, please email me at:

drt@world.std.com

I'll investigate and fix any errors. BE SURE TO INCLUDE AN AUTHORITY SOURCE FOR YOUR INFORMATION.

(TNX VE9LN, VE3HKZ/WA6SGA for their help!)

Bon voyage!

-Dave KG2S/1

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Date: Wed, 20 Jul 94 10:55:54 -0500  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!math.ohio-state.edu!  
news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!f511.n115!f738.n115!  
f119.n115!f747.n115!Darren.Leno@network.  
Subject: VLF Info  
To: info-hams@ucsd.edu

I'm looking for servers or sources of info on VLF Low band monitoring or experimenting. Can anyone point me in the right direction? Thanks.

WD0EWJ

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End of Info-Hams Digest V94 #828

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